

1 Introduction. Anabolic-androgenic steroids (AAS) are a class of natural and synthetic hormones that owe their name to their chemical structure (the steroid nucleus, see Figure 1) and the biological effects (anabolic and androgenic) they induce. Anabolic refers to the skeletal muscle-building properties of AAS, whereas androgenic refers to the induction and maintenance of male secondary .



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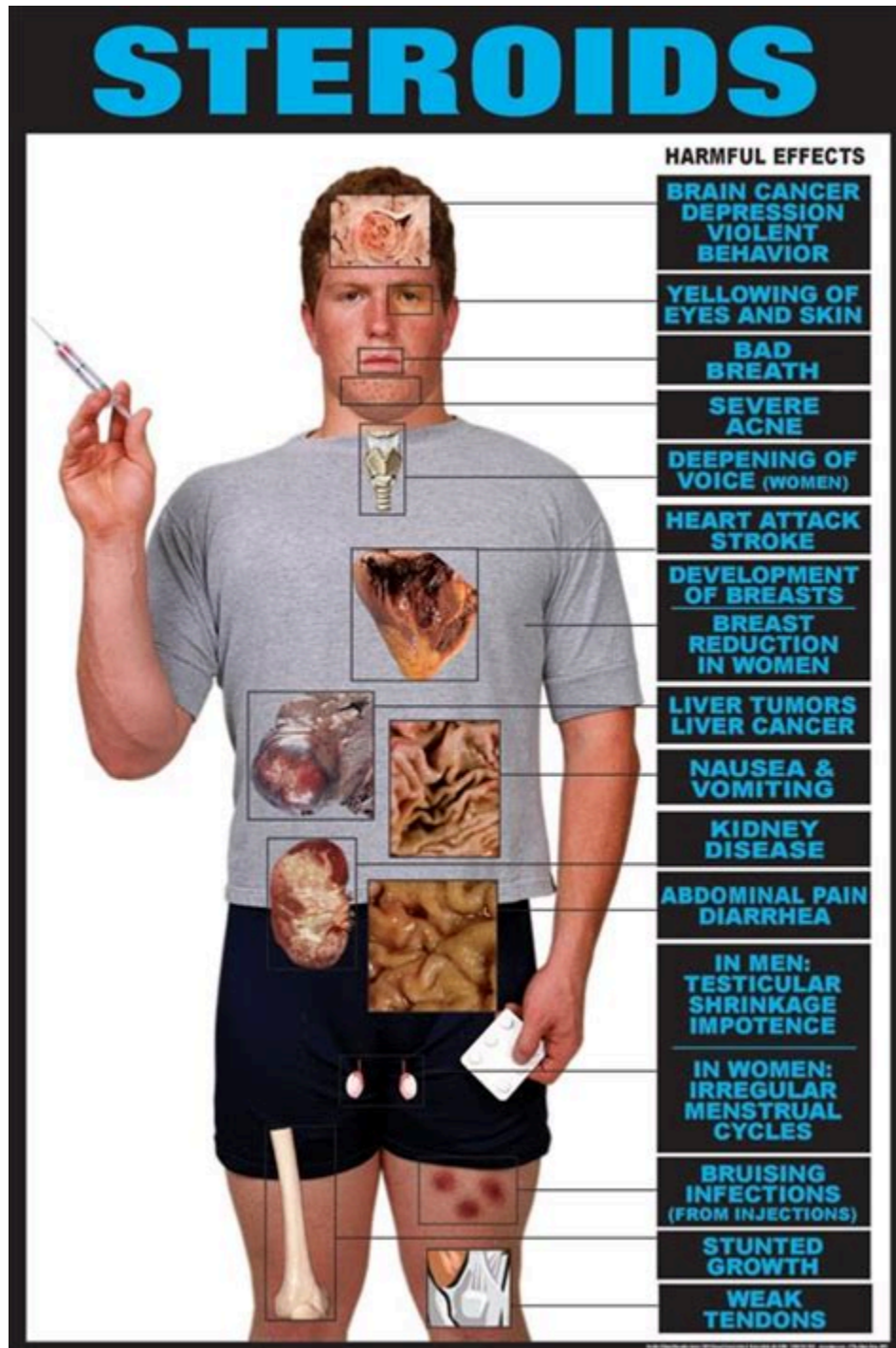
Facts and Figures: Anabolic Steroid Use in Teens - Verywell Family



Abstract. Anabolic androgenic steroids (AASs) are prescribed for medical conditions related to low testosterone. Abuse of AASs has surged as they become recognised as potent image enhancement drugs.

The primary goal of most abusers is to obtain a more attractive outward appearance. Abuse is complex.

Anabolic steroids and its side effects - MSN



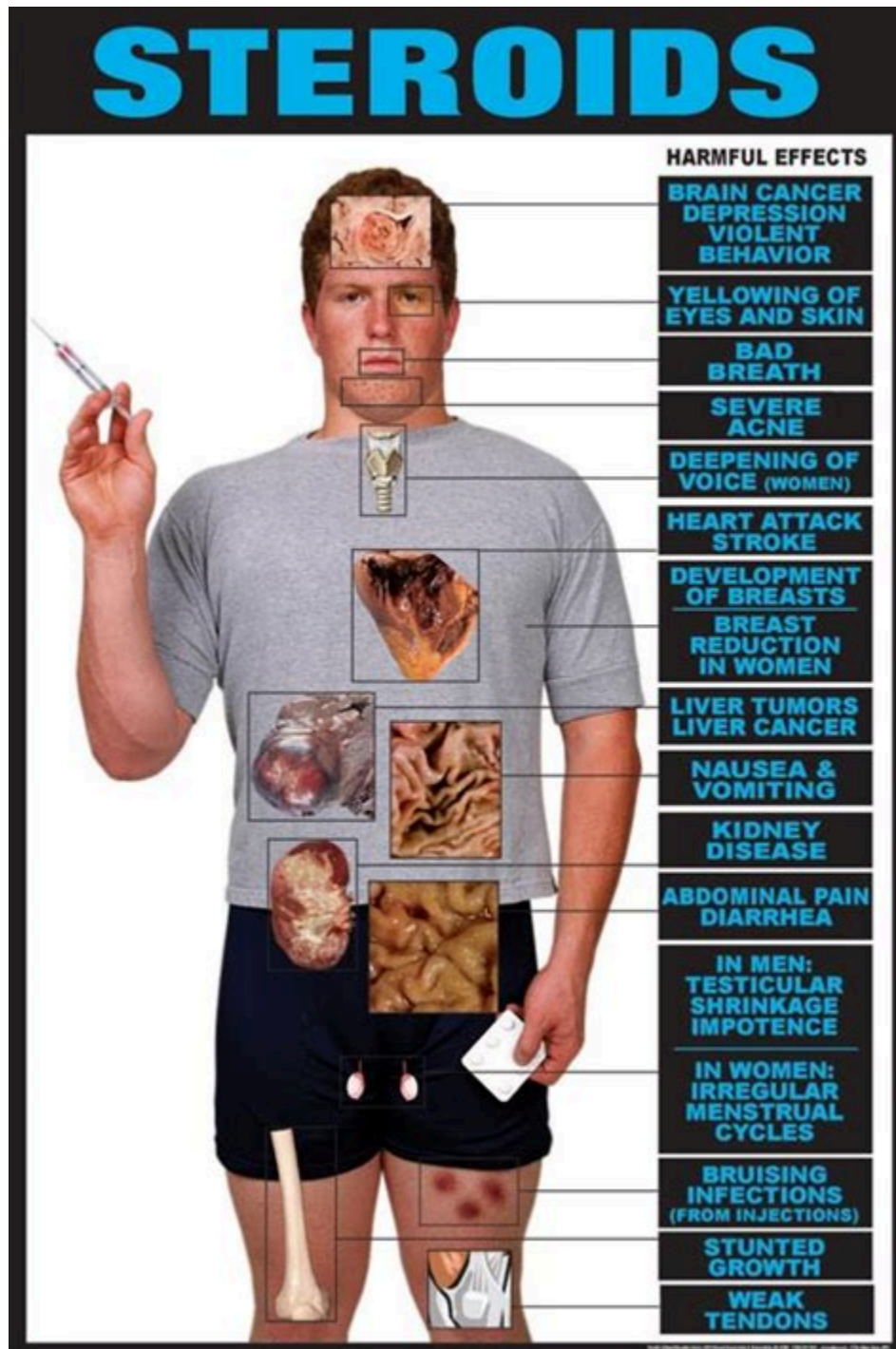
Approximately 3 to 4 million Americans used anabolic-androgenic steroids to increase muscle mass, whether for sports to increase their performance or cosmetic purposes, such as enhancing their appearance. People who have misused steroids may be suffering from muscle dysmorphia, which is a behavioral syndrome.

11 Facts About Steroids | DoSomething



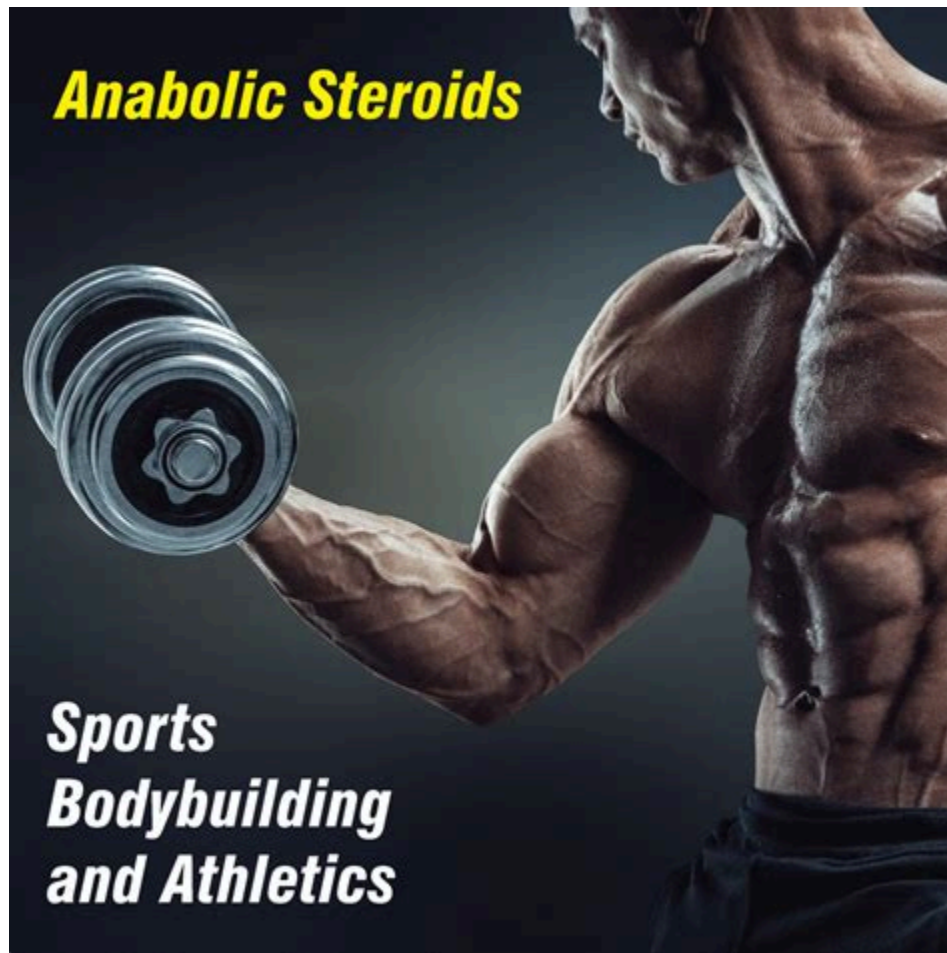
The global anabolic steroid market is estimated to reach around 8.5 billion dollars by 2027 and 10 billion by the end of the decade. And of gym-goers, around 6% of men and 2% of women have used steroids. But there's more to the above steroid stat.

Prevalence of Use of Anabolic Steroids by Bodybuilders Using Three .



Overview What are anabolic steroids? Anabolic steroids are medications that are manufactured forms of testosterone. The technical term for these compounds is "anabolic-androgenic steroids" (AAS). "Anabolic" refers to tissue building (mainly muscle), and "androgenic" refers to a group of sex hormones called androgens.

30+ Anabolic Steroid Statistics - Muscle and Brawn



Introduction. The use of image and performance-enhancing drugs (IPEDs) is well established, particularly in competitive sport and bodybuilding, and has become increasingly widespread over recent decades making it a public health concern (McVeigh & Begley, Citation 2017). Whilst a wide range of drugs can be used to enhance image and performance, the most commonly used IPED are anabolic .

PDF Drug Fact Sheet: Steroids - DEA. gov



Steroids

WHAT ARE STEROIDS?

Anabolic steroids are synthetically produced variants of the naturally occurring male hormone testosterone that are abused in an attempt to promote muscle growth, enhance athletic or other physical performance, and improve physical appearance.

Testosterone, trenbolone, oxymetholone, methandrostenolone, nandrolone, stanozolol, boldenone, and oxandrolone are some of the anabolic steroids that are most commonly encountered by United States law enforcement.

WHAT IS THEIR ORIGIN?

Most illicit steroids are smuggled into the U.S. from abroad. Steroids are also illegally diverted from legitimate sources (theft or inappropriate prescribing). The Internet is the most widely used means of buying and selling anabolic steroids. Steroids are also bought and sold at gyms, bodybuilding competitions, and schools from teammates, coaches, and trainers.



Diplo-Testosterone

What are common street names?

Common street names include:

- Arnolds, Juice, Pumpers, Roids, Stackers, and Weight Gainers

What do they look like?

Steroids are available in:

- Tablets and capsules, sublingual-tablets, liquid drops, gels, creams, transdermal patches, subdermal implant pellets, and water-based and oil-based injectable solutions

The appearance of these products varies depending on the type and manufacturer.

How are they abused?

Steroids are ingested orally, injected intramuscularly, or applied to the skin. The doses abused are often 10 to 100 times higher than the approved therapeutic and medical treatment dosages. Users typically take two or more anabolic steroids at the same time in a cyclic manner, believing that this will improve their effectiveness and minimize the adverse effects.



Testosterone Cypionate Injection, USP


Abstract Anabolic steroids (AS) are synthetic derivatives of the male sex hormone testosterone. The use of AS is not limited to bodybuilders and athletes, but non-athletes also use them. It is used to enhance athletic performance, induce muscle hypertrophy, and augment male sexual characteristics.

How Do Anabolic Steroids Work?

- Anabolic steroids stimulate muscle tissue to grow and "bulk up" in response to training by mimicking the effect of naturally produced testosterone on the body.
- Steroids have become popular because they may improve endurance, strength, and muscle mass
- However, research has not shown that steroids improve skill, agility, or athletic performance

Approximately 1.3% of 12th graders, 0.8% of 8th graders, and 0.5% of 10th graders in the U. S. reported steroid use. 1 Three million Americans use the substance, including 2.7 to 2.9% of all young adults. 2 How Are They Used? Users concerned with drug testing who take them orally enjoy the advantage of a speedy exit from their bodies. 1

The Lifetime Prevalence of Anabolic-Androgenic Steroid Use and .

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Author Manuscript
Am J Addict. Author manuscript; available in PMC 2015 July 01.

Published in final edited form as:
Am J Addict. 2014 July ; 23(4): 371–377. doi:10.1111/aj.1521-0391.2013.12118.x.

The Lifetime Prevalence of Anabolic-Androgenic Steroid Use and Dependence in Americans: Current Best Estimates

Harrison G. Pope Jr., M.D., M.P.H.¹, Gen Kanayama, M.D., Ph.D.¹, Allison Athey, B.A.¹, Erin Ryan, B.A.¹, James I. Hudson, M.D., Sc.D.¹, and Aaron Baggish, M.D.²

¹Biological Psychiatry Laboratory, McLean Hospital, Belmont, Massachusetts, and the Department of Psychiatry, Harvard Medical School, Boston, MA

²Division of Cardiology, Massachusetts General Hospital, Boston, MA and Department of Medicine, Harvard Medical School, Boston, MA

Abstract

Background and Objectives—Although various surveys have tracked the prevalence of anabolic-androgenic steroid (AAS) use in American teenagers and young adults, no recent surveys have assessed the lifetime prevalence of AAS use in Americans overall. We therefore analyzed serial youth-survey data to derive estimates of the lifetime prevalence of AAS use in the current American general population.

Methods—We first determined the distribution of age of onset of AAS use, based on pooled data from nine studies. Using this distribution, we then developed equations to project the eventual lifetime prevalence of AAS use among young survey respondents, once they aged and completed the period of risk for initiating AAS. We similarly calculated the denominator of lifetimes of risk for AAS use in the total American population. We next applied these equations to four independent national youth datasets to derive current American general-population estimates for lifetime AAS use. Finally, using data from 10 pooled studies, we estimated the lifetime prevalence of AAS dependence among AAS users.

Results—Age-of-onset studies consistently showed that AAS use begins later than most drugs, with only 22% of users (95% confidence interval: 19%–25%) starting before age 20. Applying the age-of-onset findings to national youth datasets, we estimated that among Americans currently age 13 to 50 years, 2.9–4.0 million have used AAS. Within this group, roughly 1 million may have experienced AAS dependence.

Conclusions and Scientific Significance—Although subject to various limitations, our estimation techniques suggest a surprisingly high prevalence of AAS use and dependence among Americans.

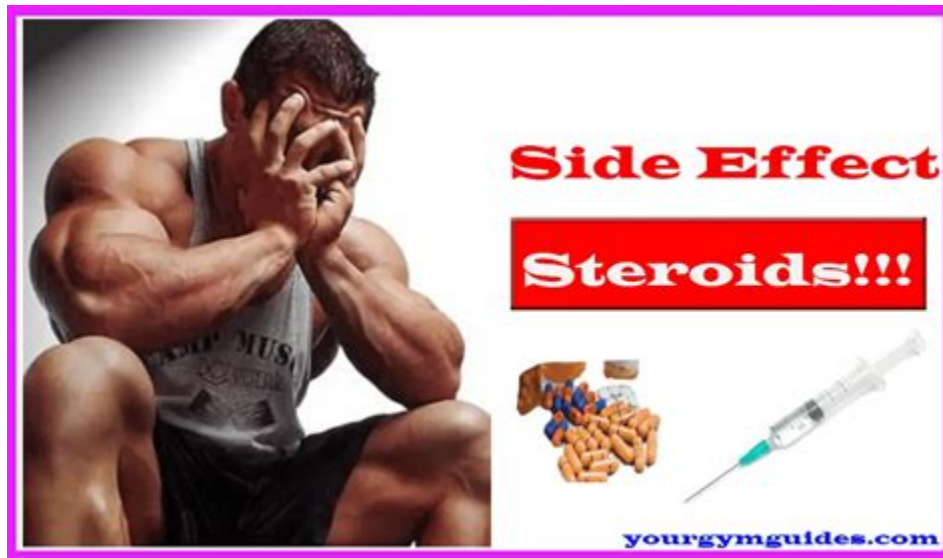
Correspondence: Harrison G. Pope Jr., M.D., McLean Hospital, 115 Mill St., Belmont, MA 02478 USA; telephone: +1-617-855-2911; fax: +1-617-855-3585; hpope@mclean.harvard.edu

Declaration of interest
Dr. Pope has testified as an expert witness in five cases involving anabolic-androgenic steroid use during the last three years. The authors report no other conflicts of interest. The authors alone are responsible for the content and writing of this paper.

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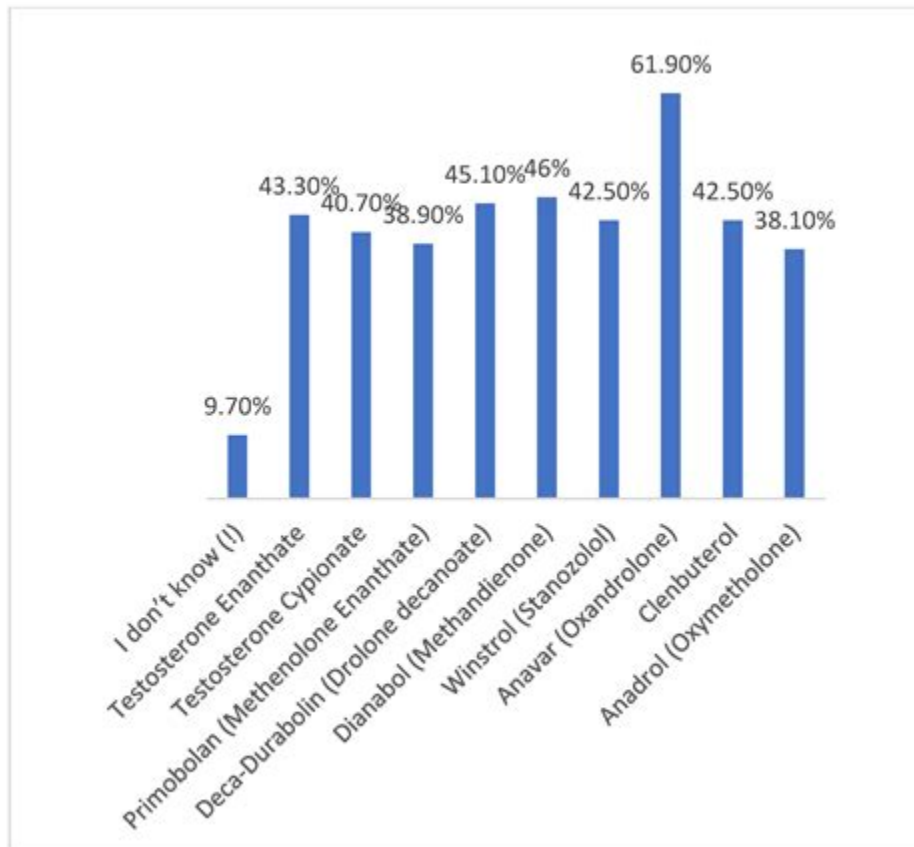
Testosterone, trenbolone, oxymetholone, methandrostenolone, nandrolone, stanozolol, boldenone, and oxandrolone are some of the anabolic steroids that are most commonly encountered by United States law enforcement. WHAT IS THEIR ORIGIN? Most illicit steroids are smuggled into the U. S. from abroad.

Anabolic Steroids: What They Are, Uses, Side Effects & Risks



En español Highlights Anabolic-androgenic steroids are the best-studied class of appearance and performance enhancing drugs (APEDs). APEDs are used to improve appearance by building muscle mass or to enhance athletic performance.

Full article: Anabolic androgenic steroid use population size .



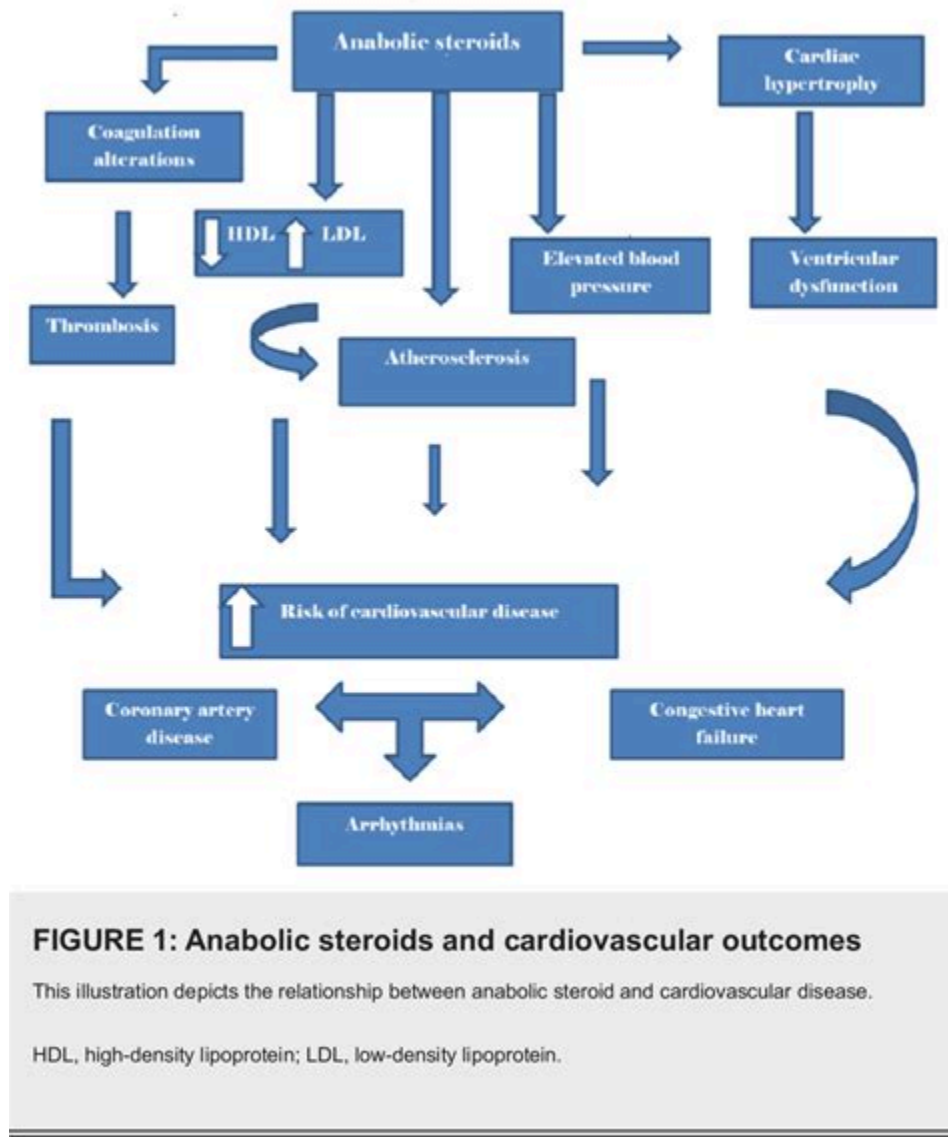
This consensus statement provides a brief history of AAS use, an update on the science of how we now understand AAS to be working metabolically/biochemically, potential side effects, the prevalence of use among athletes, and the use of AAS in clinical scenarios. SYNOPSIS

Anabolic steroids: Types, uses, and risks - Medical News Today



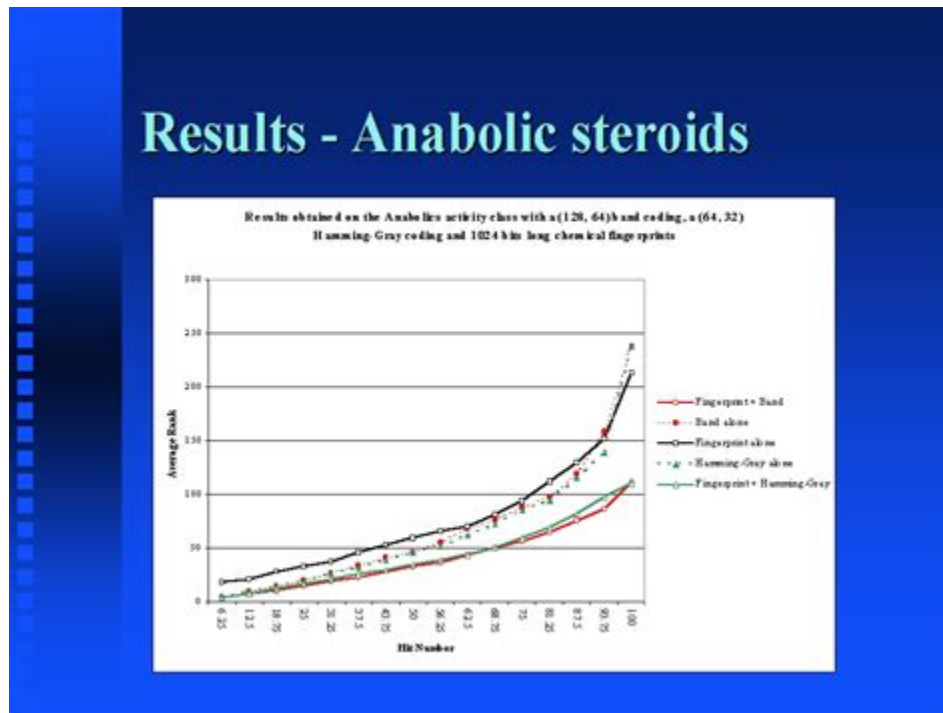
The Lifetime Prevalence of Anabolic-Androgenic Steroid Use and Dependence in Americans: Current Best Estimates Harrison G. Pope, Jr. , M. D. , M. P. H. , 1 Gen Kanayama, M. D. , Ph. D. , 1 Alison Athey, B. A. , 1 Erin Ryan, B. A. , 1 James I. Hudson, M. D. , Sc. D. , 1 and Aaron Baggish, M. D. 2
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Anabolic Steroids and Cardiovascular Outcomes: The Controversy



What are they? Anabolic steroids are drugs that athletes take to boost their strength and add muscle. These drugs also are called anabolic-androgenic steroids. They are made to work like a hormone that the body makes called testosterone. Testosterone has two main effects on the body: Helps build muscle.

Anabolic Steroid Statistics: Market Report & Data • Gitnux



A report published by the cross-party Health and Social Care Committee titled "The impact of body image on mental and physical health" says that: "According to the UK Anti-Doping Agency, there are more than one million, predominantly male (around 98%), steroid users in the UK. "

21 Compelling Insights from 2023's Steroid Statistics - BDPT



Facts and Figures: Anabolic Steroid Use in Teens. Though statistics show that less teens are using anabolic steroids, they represent over 75% of steroid users overall. If your teen is older or playing sports, you may be concerned about the possibility of steroid use. Although the use of performance-enhancing drugs is a valid concern, rates of .

Anabolic Steroids and Other Appearance and Performance Enhancing Drugs .



According to statistics on anabolic steroids, it is found that 11.25% of those who use AAS eventually develop an addiction. While it's a common misconception that steroids are exclusively used by professional athletes, recent trends demonstrate an increase in the illicit use of such substances among teenagers and non-athletes aiming to .

Anabolic Steroids - StatPearls - NCBI Bookshelf

How Do Anabolic Steroids Work?

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- Steroids have become popular because they may improve endurance, strength, and muscle mass
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"Anabolic steroids" are drugs that replicate human sex hormones like testosterone and estrogen, which

are taken illegally — and often abused — to alter one's physical appearance. [1] Anabolic steroids can be authorized by a doctor in the case of delayed puberty, cancer, or AIDs, but should never be self-prescribed. [2]

Are one million people in the UK using anabolic steroids?



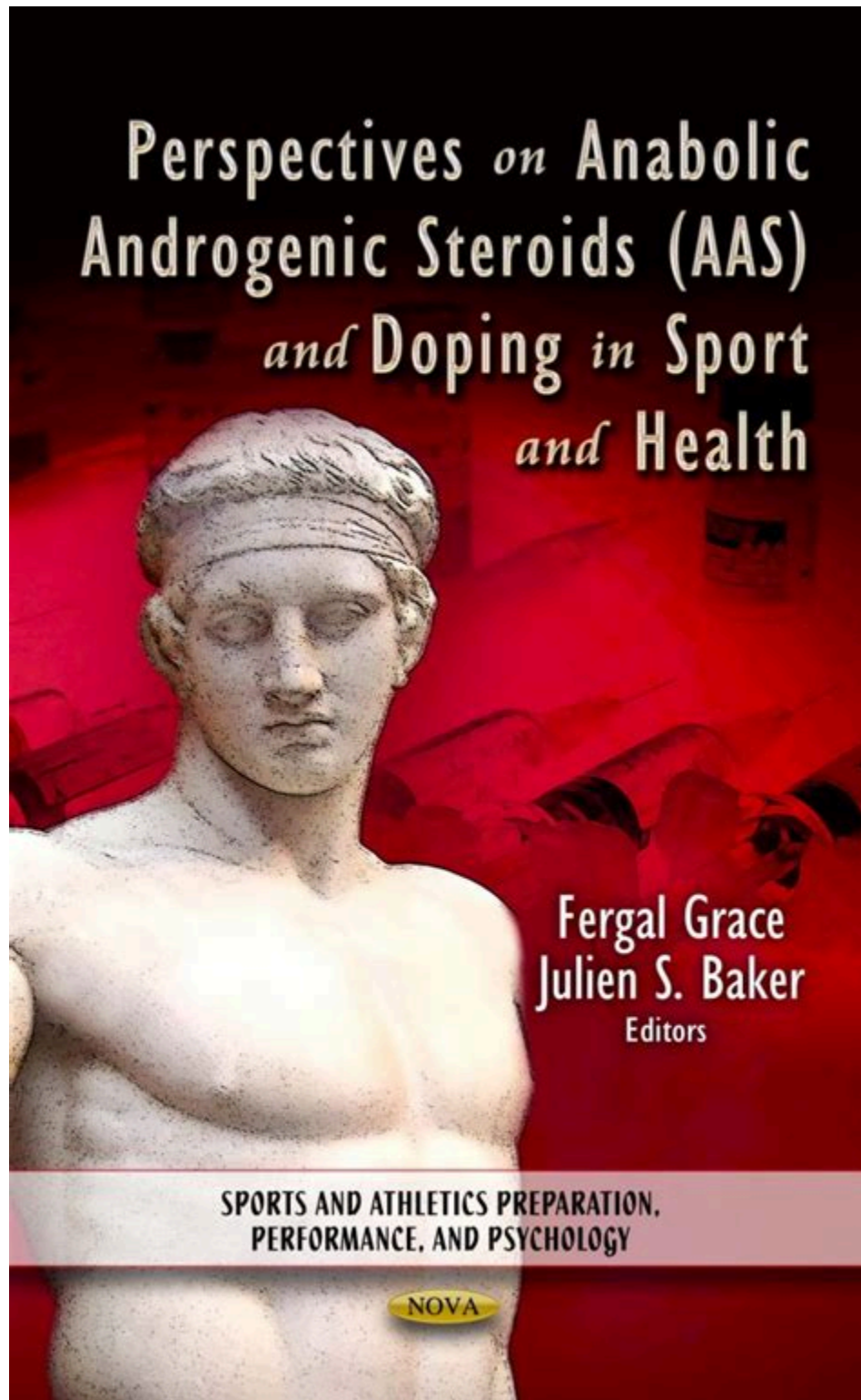
Most studies devoted to the prevalence of anabolic steroids are conducted in the developed world. 6,7 The prevalence of anabolic steroid use among athletes has been reported to be less than 10. 0% among US athletes. 1 Lifetime prevalence of anabolic steroid use among gym users in Sweden was 3. 9%. 8 Nigerian sportsmen reported a prevalence of 5. 6%. 9 .

Performance-enhancing drugs: Know the risks - Mayo Clinic



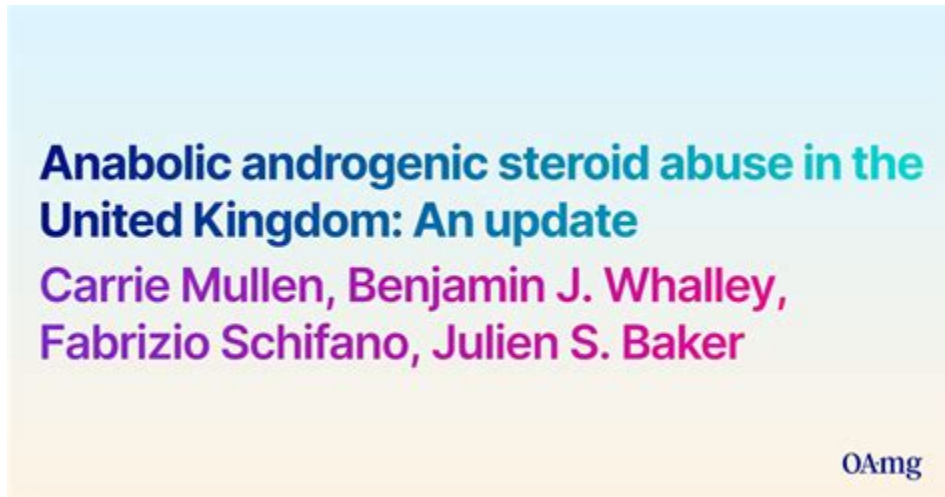
There are two types of anabolic steroids: 1) 17 alpha alkyl derivatives: e. g. , oxandrolone, oxymetholone, and fluoxymesterone; and 2) 17 beta ester derivatives: e. g. , testosterone cypionate, testosterone enanthate, testosterone heptylate, testosterone propionate, nandrolone decanoate, nandrolone phenpropionate, and dromostanolone.

Anabolic-Androgenic Steroid Use in Sports, Health, and Society



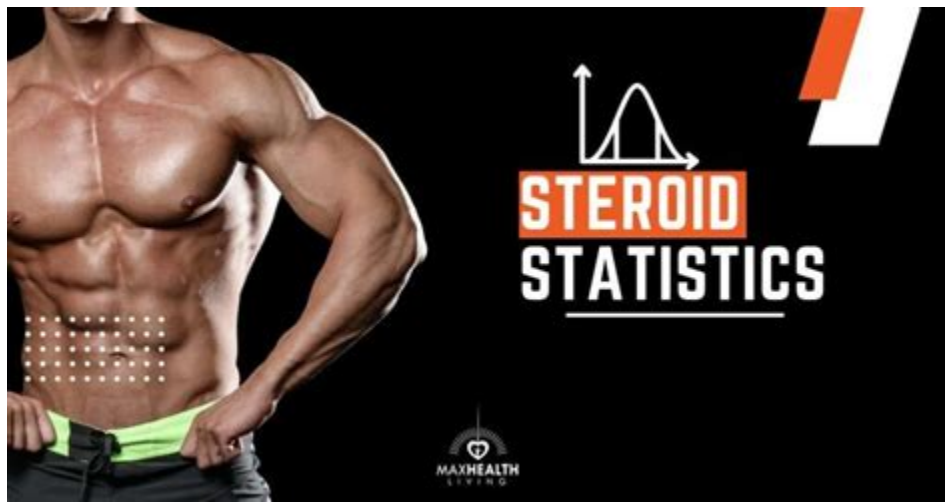
Anabolic steroids, also called anabolic-androgenic steroids (AASs), can build muscle and improve athletic performance, but they can also have significant adverse effects, especially when used.

Anabolic androgenic steroid abuse in the United Kingdom: An update



The global anabolic steroids market was valued at USD 10.04 billion in 2019. Almost 2.9-4% of adolescents worldwide have used anabolic-androgenic steroids at least once in their lifetime. About 78.4% of anabolic steroid users in the UK use injectable steroids. In the US, 0.9% of women reported ever using steroids in a 2012 survey.

61 Dope Anabolic Steroid Statistics & Facts 2024 (INFOGRAPHIC)



Steroids are of two kinds, corticosteroids and anabolic. Both have different uses. Using steroids for a short period is not harmful, but using them for longer can damage the body and brain. Many .

Anabolic-androgenic steroids: How do they work and what are the risks?



The global anabolic steroid injections market is projected to reach \$8.22 billion in 2027, growing at a CAGR of 6.2% from 2020 to 2027. Drawing insight from these figures, the market should have a predicted value of \$6.09 billion in 2022. (DBMR) Who are the major players in the anabolic steroid market?

- <https://publiclab.org/notes/print/46739>
- <https://telegra.ph/Probrewer-Dissolved-Oxygen-02-06>
- <https://publiclab.org/notes/print/44084>